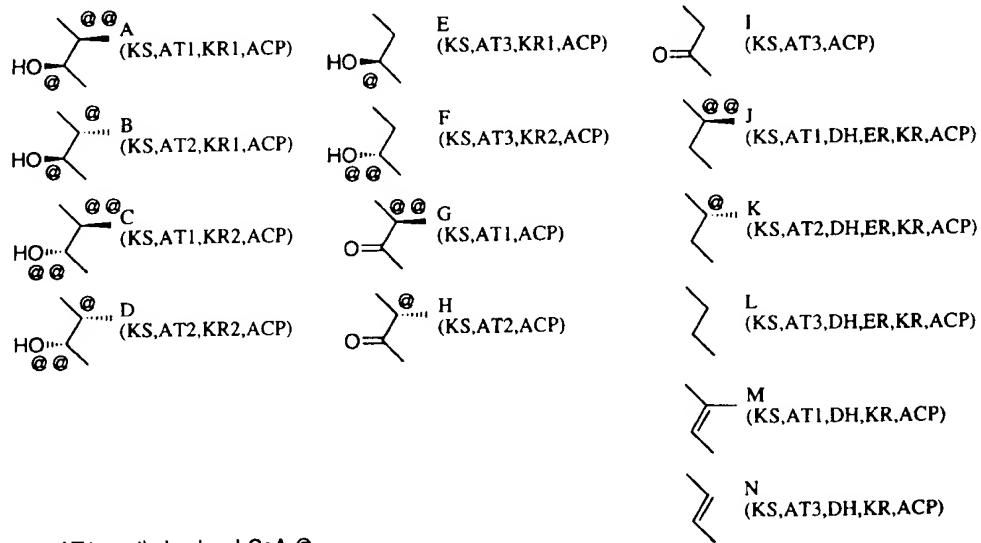


Figure 1

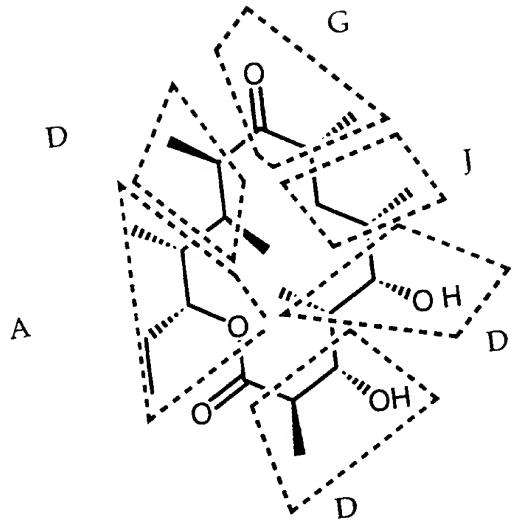


AT1: methylmalonyl-CoA @  
 AT2: methylmalonyl-CoA @ @  
 AT3: malonyl-CoA

KR1: hydroxyl @  
 KR2: hydroxyl @ @

@ @ = counter clockwise  
 @ = clockwise

Figure 2



CHUCKLES: ADGJDD

SMILES:  
C1(=O)-[C@H](C)[C@@H](OH)-[C@H](C)[C@@H](OH)-  
[C@@H](C)C-[C@@H](C)C(=O)-[C@H](C)[C@H](C)-  
[C@@H](C)[C@@H](CC)O1

Figure 3

Figure 4A

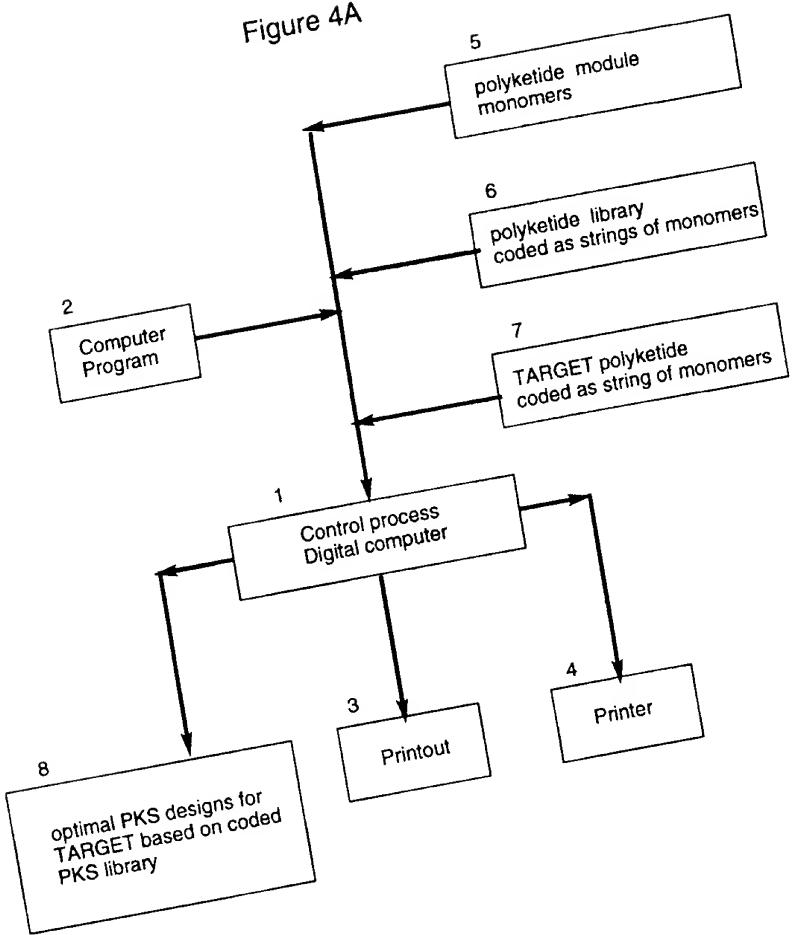


Figure 4B

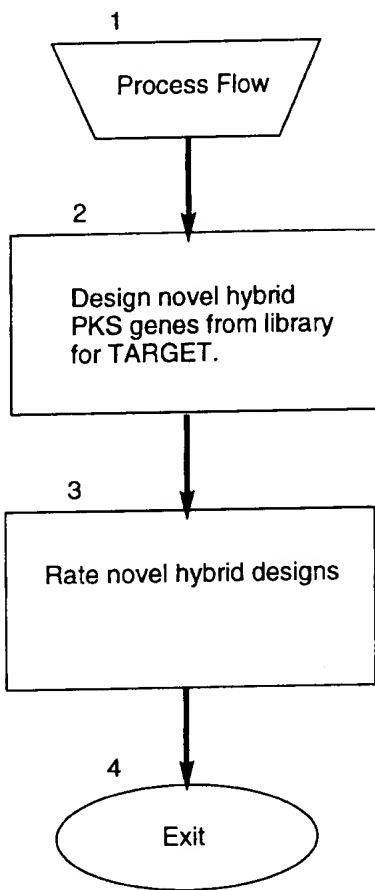
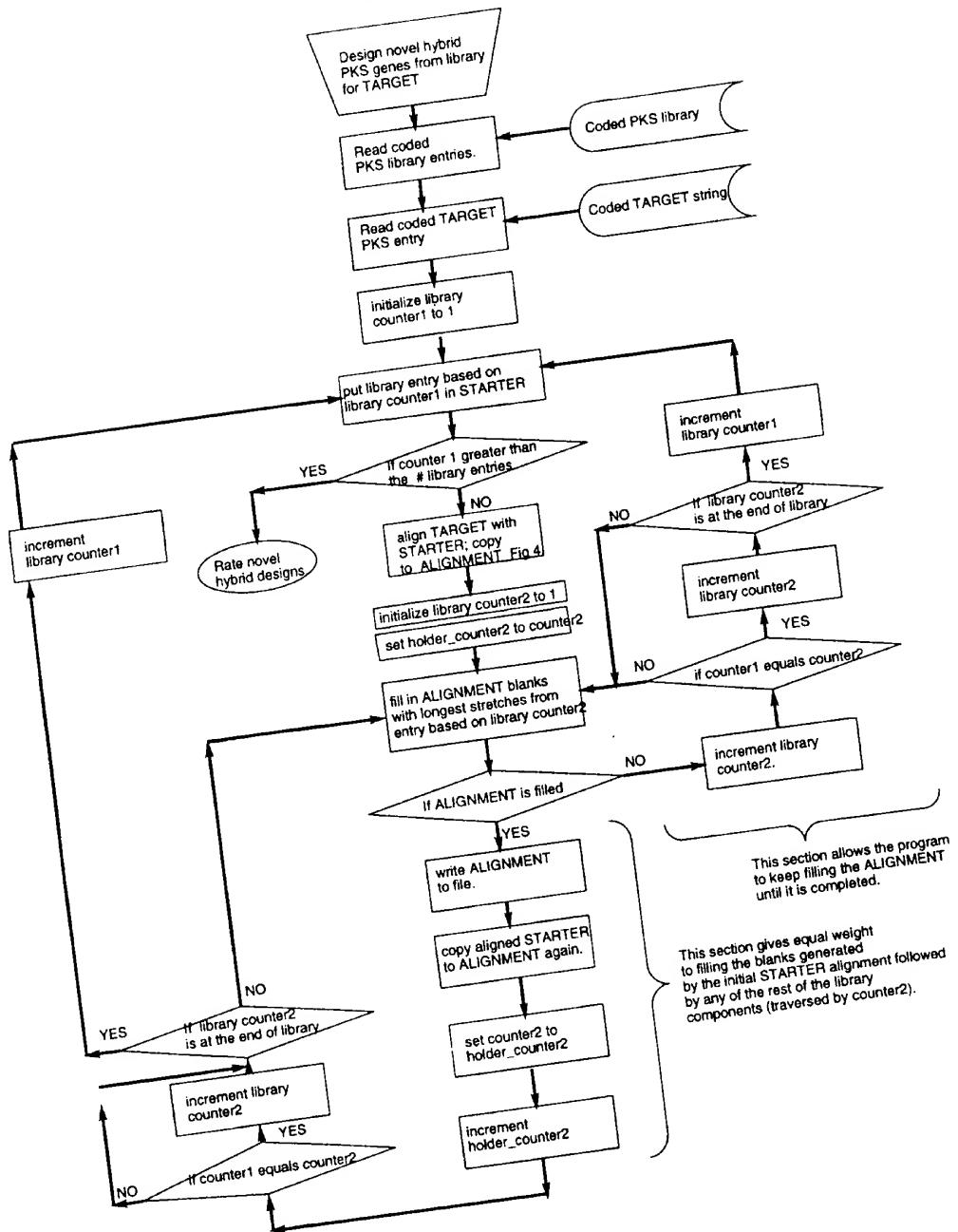


Figure 4C



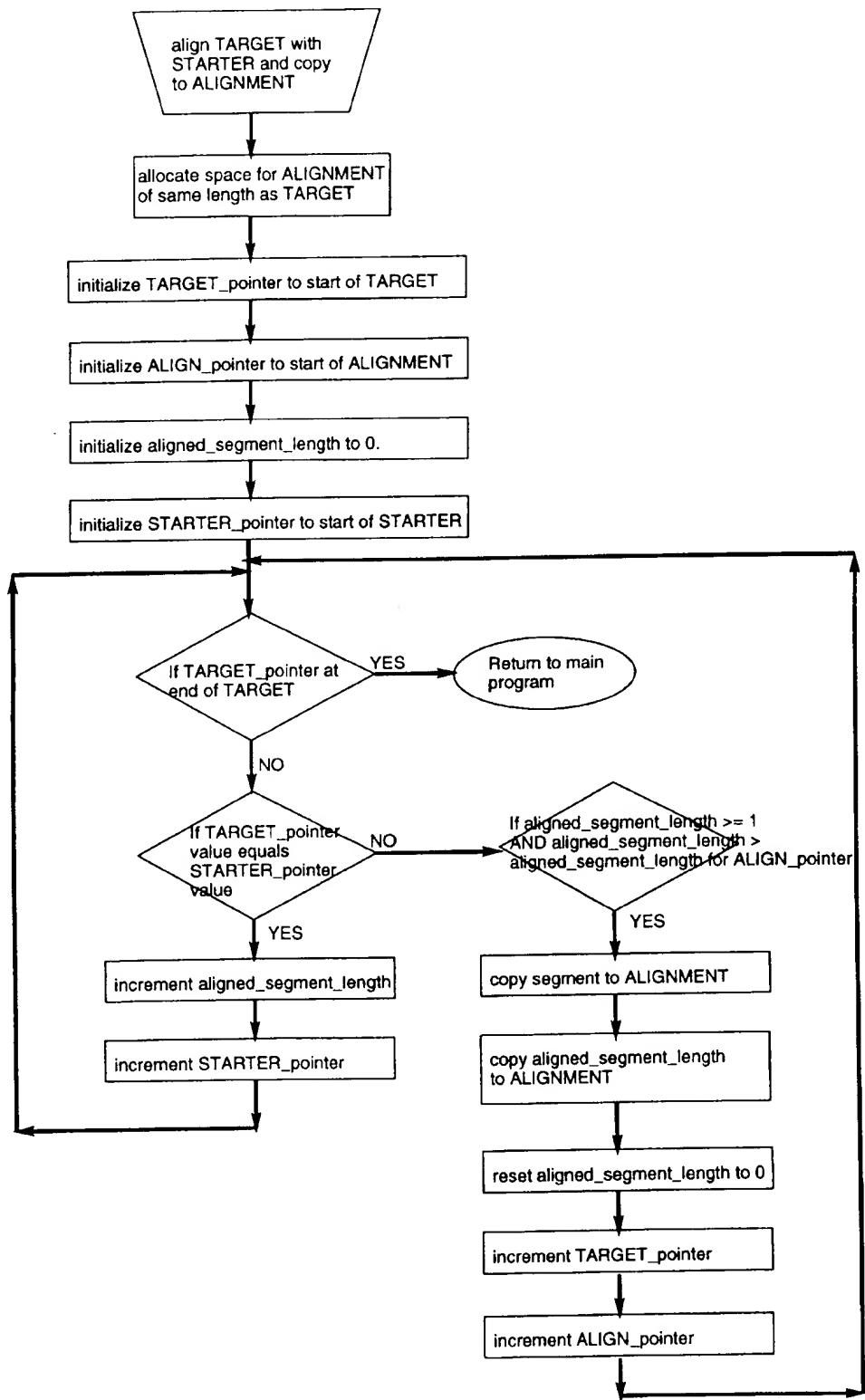


Figure 4D

Figure 4E

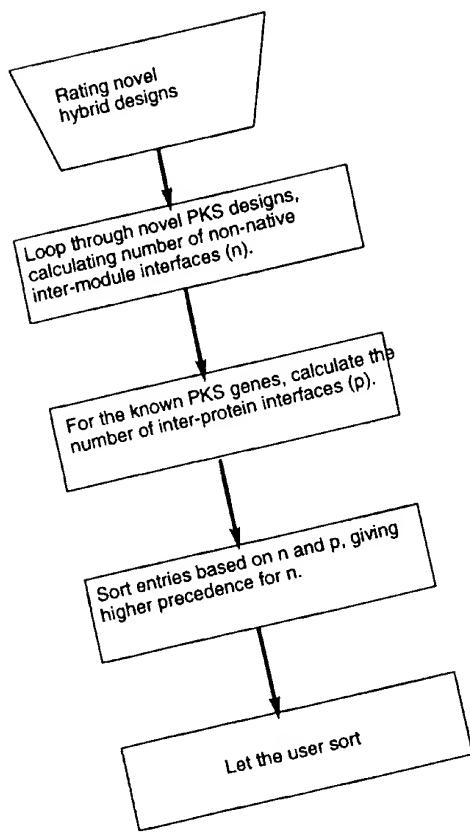


Figure 5

